

**AMENDMENTS TO THE CLAIMS**

1. (Currently Amended) An apparatus for receiving a signal of digital broadcasting service, comprising:

an array antenna having a plurality of antenna elements, each antenna element for receiving broadcast signals ~~of from~~ the digital broadcasting service;

a demodulation means for demodulating the ~~receiving~~ broadcast signals, each corresponding to each of antenna elements included in the array antenna;

a beam-forming means for receiving modulated signals of the demodulation means to generating ~~generate~~ a predetermined number of beamformed ~~signal~~ signals ~~by applying based on different~~ a beam-forming weights in order to steer each of the ~~beam~~ predetermined number of beamformed signals to a predetermined direction according to the modulated ~~signal signals from the modulation means~~ signal signals; and

a beam selection means for ~~selectively receiving~~ selecting one of the predetermined number of beamformed signals based on each predetermined direction of the predetermined number of beamformed signals of desired direction according to the beam forming signal, wherein the selected beamformed signal has the most desirable direction.

2. (Currently Amended) The apparatus as recited in claim 1, wherein the array antenna is a ~~second~~ predetermined number of axis linear ~~array~~ arrays, each having a ~~first~~ predetermined number of antenna elements.

3. (Currently Amended) The apparatus as recited in claim 1, wherein the array antenna is a ~~circular~~ at least one circular-type array antenna having a ~~third~~ predetermined number of antenna elements.

4. (Currently Amended) The apparatus as recited in claim 1, wherein the array antenna is a at least one planar array antenna having a ~~third~~ predetermined number of antenna elements.

5. (Currently Amended) The apparatus as recited in claim 1, wherein the demodulation means includes a plurality of demodulators, the number of

demodulators equaling as many as the number of antenna elements in the array  
antenna.

6. (Currently Amended) An apparatus for receiving a signal of digital  
broadcasting service, comprising:

switched beamforming means for generating a beamformed signal in order to  
direct a predetermined number of angles by applying a beam-forming weight to a  
received signal ~~of from the~~ digital broadcasting service and selectively receiving a  
signal of a desired direction; and

beam selection means for selectively receiving the signal of desired direction  
according to a predetermined number of beam forming signals.

7. (Currently Amended) The apparatus as recited in claim 6, wherein the  
switched beamforming means includes:

beam-forming means for generating a predetermined number of beamformed  
signals by applying beam-forming weights in order to steer the beam to a  
predetermined direction to receive a digital broadcasting signal; ~~and~~

wherein the predetermined number of beam forming signals are generated by  
the beam forming means.

~~beam selection means for selectively receiving signal of desired direction~~  
~~according to a predetermined number of beam forming signals generated by the beam~~  
~~forming means.~~

8. (Currently Amended) The apparatus as recited in claim 7, wherein the beam-  
forming means outputs a signal by eliminating multipath receiving signals ~~of multipath~~  
to a channel equalizer ~~in order~~ to improve equalization performance of the channel  
equalizer.